

# इंटरनेट

# मानक

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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 12420-4 (1988): Circular Audio Connectors, Part 4: Plug, Five Contacts Rigid Type 12420 IS-03 [LITD 3: Electromechanical Components and Mechanical Structures for Electronic Equipment]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrihari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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## Indian Standard

SPECIFICATION FOR  
CIRCULAR AUDIO CONNECTORS

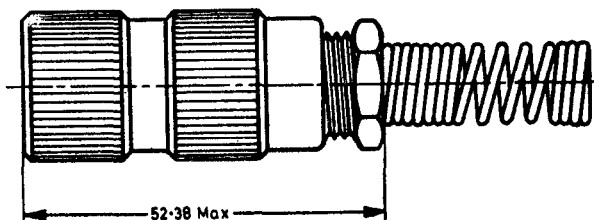
## PART 4 PLUG, FIVE CONTACTS RIGID TYPE 12420 IS-03

**0. General** — This standard shall be read in conjunction with IS : 12420 ( Part 1 ) ' Specification for circular audio connectors: Part 1 Test schedule and requirements '.

**1. Type Designation** — The type designation [ see 4.1 of IS : 12420 ( Part 1 ) ], type of contact and typical mating connector for this type of connector are given below:

Type No.	Type of Contact	Typical Mating Connector
12420 IS-03	Solder	12420 IS-01 and 12420 IS-02

**2. Outline and Dimensions** — The outline and dimensions shall be according to Fig. 1.



All dimensions in millimetres.

FIG. 1 OUTLINE AND DIMENSIONS

**3. Material, Finish and Life** — The material, finish and life requirement shall be as given below:

a) *Material*

Outer shell	: Diecast alloy
Dielectric	: DAP/rubber
Contact	: Be-Cu gold plated
Mounting parts	: Brass

b) *Finish* — All shell and mounting parts shall be finished to cadmium plate with olive drab chromatic finish.

c) *Mechanical* — 1 500 mating cycles at a rate of 30 cycles/minute.

**4. Climatic Category**

a) Temperature severity	: — 55 to +85°C
b) Damp heat severity	: 56 days
c) Air pressure severity	: 8.5 kPa
d) Acceleration ( steady state )	: 170 m/s <sup>2</sup>
e) Vibration	: 10 to 55 Hz
f) Shock	: 500 m/s <sup>2</sup>

**5. Electrical Characteristics**

a) Current rating	: 500 mA, Max
b) Voltage rating	: 60 V, Max
c) Contact resistance	: 40 milliohms

Adopted 21 July 1988

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**IS : 12420 ( Part 4 ) - 1988**

**6. Tests** — *See 8* of IS : 12420 ( Part 1 ).

**7. Marking** — *See 5* of IS : 12420 ( Part 1 ).

**EXPLANATORY NOTE**

This standard is based on JSS 50831 ( Nov 1972 ) 'Detail specification for connectors, circular audio'. The types of connectors covered in this standard are equivalent to pattern JSS 50831/03-01.